TABLES

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TABLE 1

NORTHWEST CORNER SOIL CHARACTERIZATION: COMPOSITE SAMPLE RESULTS

Former Rhone-Poulenc Site
Tukwila, Washington

Composite Surface	Sample ID	Depth (feet)	Copper (mg/kg)
Surface 1	NWC-1	0.5 to 1.0	**1200** [2]
Surface 2	NWC-2	2.0 to 3.0	**181**
Surface 3	NWC-3	5.0 to 6.0	21
		Interim Cleanup Level [1]	36.36

Notes:

1. Interim Cleanup Level for East Parcel, based on natural background.
2. **Bold** results exceed interim cleanup level.

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TABLE 2

NORTHWEST CORNER SOIL CHARACTERIZATION: DISCRETE COPPER RESULTS

Former Rhone-Poulenc Site
Tukwila, Washington

Sample ID	Depth (feet)	Copper (mg/kg)	Sample ID	Depth (feet)	Copper (mg/kg)
NWC-1-8A	0.5 to 1.0	**94.8** [1]	NWC-2-17A	2.0 to 3.0	**39.8**
NWC-1-13A	0.5 to 1.0	**716**	NWC-2-18A	2.0 to 3.0	31.3
NWC-1-16A	0.5 to 1.0	**89.4**	NWC-2-19A	2.0 to 3.0	23.8
NWC-1-32A	0.5 to 1.0	**1,500**	NWC-2-20A	2.0 to 3.0	**45.5**
NWC-1-35A	0.5 to 1.0	**1330**	NWC-2-21A	2.0 to 3.0	**39.8**
NWC-1-36A	0.5 to 1.0	**820**	NWC-2-22A	2.0 to 3.0	**45.6**
NWC-1-37A	0.5 to 1.0	**3,880**	NWC-2-23A	2.0 to 3.0	**4,190**
NWC-1-38A	0.5 to 1.0	**7,750**	NWC-2-24A	2.0 to 3.0	15.1
NWC-1-40A	0.5 to 1.0	**3,110**	NWC-2-25A	2.0 to 3.0	19.4
NWC-1-41A	0.5 to 1.0	**598**	NWC-2-26A	2.0 to 3.0	22
NWC-1-42A	0.5 to 1.0	**957**	NWC-2-27A	2.0 to 3.0	25.5
NWC-2-1A	2.0 to 3.0	14.7 J [2]	NWC-2-28A	2.0 to 3.0	13.1
NWC-2-3A	2.0 to 3.0	17.1	NWC-2-29A	2.0 to 3.0	19.8
NWC-2-4A	2.0 to 3.0	**180**	NWC-2-30A	2.0 to 3.0	28.0 J
NWC-2-5A	2.0 to 3.0	15.8	NWC-2-31A	2.0 to 3.0	**50.8**
NWC-2-6A	2.0 to 3.0	**36.9**	NWC-2-32A	2.0 to 3.0	**64**
NWC-2-7A	2.0 to 3.0	16.6	NWC-2-33A	2.0 to 3.0	36.1
NWC-2-8A	2.0 to 3.0	**116**	NWC-2-34A	2.0 to 3.0	23
NWC-2-9A	2.0 to 3.0	24.2	NWC-2-35A	2.0 to 3.0	22.9
NWC-2-10A	2.0 to 3.0	**39.7**	NWC-2-36A	2.0 to 3.0	32.2
NWC-2-11A	2.0 to 3.0	32.9	NWC-2-37A	2.0 to 3.0	**85.4**
NWC-2-13A	2.0 to 3.0	23	NWC-2-38A	2.0 to 3.0	20.9
NWC-2-14A	2.0 to 3.0	20.3	NWC-2-40A	2.0 to 3.0	**91.7**
NWC-2-15A	2.0 to 3.0	**591**	NWC-2-41A	2.0 to 3.0	**96.9**
NWC-2-16A	2.0 to 3.0	**137**	NWC-2-42A	2.0 to 3.0	**187**
Interim Cleanup Level [3]		**36.4**	**Interim Cleanup Level**		**36.4**

Notes:

1. **Bold** results exceed interim cleanup level.
2. J = The analyte was positively identified; the associated numerical value is the approximate
3. Interim Cleanup Level, based on natural background.

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TABLE 3

NORTHWEST CORNER SOIL CHARACTERIZATION: SUSPECTED WASTE SVOC AND METALS RESULTS

Former Rhone-Poulenc Site
Tukwila, Washington

Sample ID	NWC-1-2W	NWC-1-12W	NWC-1-22W	NWC-2-39W	
Depth (feet)	0.5 to 1.0	0.5 to 1.0	1.0 to 1.5	2.0 to 2.5	Cleanup Criterion[1]
SVOCs (µg/kg)					
Acenaphthylene	<13 U[2]	3.7	<13 U	<12 U	–
Anthracene	<13 U	7.5	<13 U	<12 U	*47,260,000*
Benzo(a)anthracene	4.6	55	3.7	<12 U	*331.8*
Benzo(a)pyrene	5.6	75	4.2	4	2,000[3]
Benzo(b)fluoranthene	11	97	9.4	9.8	*1,106*
Benzo(g,h,i)perylene	7.3	68	6	<12 U	–[4]
Benzo(k)fluoranthene	<13 U	31	<13 U	<12 U	*1,106*
bis(2-Ethylhexyl) phthalate	34	29	25	<12 U	*12,400*
Butyl benzyl phthalate	<13 U	23	<13 U	<12 U	*1,370,000*
Chrysene	15	79	8.7	5.6	*368.7*
Dibenzo(a,h)anthracene	<13 U	13	<13 U	<12 U	*1,659*
Dibenzofuran	<13 U	4.1	<13 U	<12 U	*7,000,000*[5]
di-n-Butylphthalate	8.4	9.6	15	11	*386,600*
Fluoranthene	14	97	16	6.1	*351,800*
Indeno(1,2,3-cd)pyrene	<13 U	63	4.8	5.4	*3,226*
2-Methylnaphthalene	5.6	10	13	<12 U	*14,000,000*[5]
Naphthalene	6.2	9.6	14	<12 U	5,000
Pentachlorophenol	36	190	**550**[6]	33	*270.2*
Phenanthrene	12	36	15	4.1	–
Phenol	<38 U	7.8	17	<36 U	*9,324,000*
Pyrene	12	95	20	6.9	*13,940,000*
2,4,5-Trichlorophenol	<13 U	<12 U	7.9	<12 U	*309,300*
Total cPAHs[3]	7.31	106	6.077	5.576	2,000[3]
Metals (mg/kg)					
Arsenic	3.9	4.53	3.63	2.32	20
Barium	65.7	78.2	46.2	169	*700,000*[5]
Cadmium	0.181	0.234	0.16	0.288	2
Chromium	14.4	15.1	14.4	14.5	19/2,000
Copper	**696**	**3,290**	**2,150 J**[7]	**18,200**	36.4
Lead	13	21.8	23.3	28.2	1,000
Mercury	0.787	0.564	1.91	0.745	2
Selenium	0.8 J	0.4 J	0.3 J	0.3 J	*7.384*
Silver	0.204	0.219	0.129	0.099	*0.323*

Notes:

1. Cleanup criteria include the Interim Cleanup Level for copper established for the NWC, MTCA Method A cleanup levels for industrial sites, and MTCA Method C soil cleanup levels for constituents with no Method A cleanup levels. MTCA Method A industrial cleanup levels are in normal typeface and Method C cleanup levels are in italics. Supporting calculations for the MTCA Method C cleanup levels are in Appendix E.
2. U = The compound was analyzed for, but was not detected at or above the laboratory reporting limit or the method detection limit.
3. cPAHs represents total carcinogenic polycyclic aromatic hydrocarbons, expressed as benzo(a)pyrene equivalents, calculated in accordance with MTCA guidance.
4. – = No cleanup level available from CLARC database website.
5. CLARC, Soil, Method C, Noncarcinogen, Standard Formula Value, Direct Contact (ingestion only), industrial.
6. **Bold** results exceed cleanup criterion.
7. J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

TABLE 4

NORTHWEST CORNER SOIL CHARACTERIZATION: SUSPECTED WASTE TPH RESULTS

Former Rhone-Poulenc Site
Tukwila, Washington

Sample ID	Depth (feet)	GRO - NWTPH [1] (mg/kg)	DRO-NWTPH [2] (mg/kg)	RRO-NWTPH [3] (mg/kg)
NWC-2-5W	3.0 to 4.0	**1,500** [4, 5]	120 [6]	57
NWC-2-6W	2.0 to 3.0	**13,000** [4]	1,800 [6]	470 [6]
NWC-2-7W	3.0 to 4.0	**6,800** [4]	1,400 [6]	380 [6]
NWC-2-8W	3.0 to 4.5	**11,000** [4]	820 [5]	130 [6]
NWC-3-24W	3.5 to 4.5	71 [4]	-- [7]	--
NWC-2-36W	3.5 to 4.0	**3,500** [4]	**2,100** [6]	360 [6]
NWC-2-42W	4.0 to 4.5	**4,800** [4]	1,500 [6]	210 [6]
Cleanup Criterion [8]		**100/30**	**2,000**	**2,000**

Notes:

1. GRO - NWTPH = gasoline range organics, northwest total petroleum hydrocarbons method
2. DRO - NWTPH = diesel range organics, northwest total petroleum hydrocarbons method
3. RRO - NWTPH = residual range organics, northwest total petroleum hydrocarbons method
4. The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
5. **Bold** results exceed cleanup criterion.
6. The chromatographic fingerprint does not resemble a petroleum product.
7. -- Not Analyzed
8. Cleanup criteria are MTCA Method A industrial cleanup levels.